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	ISP 3D.16 ELITE	ISP 3D.20 ELITE	ISP 3D.32 ELITE Analog Edition	ISP 3D.32 ELITE Digital AES Edition	ISP 3D.32 ELITE Digital AVB Edition	ISP 3D.32 ELITE Reference Edition
	ELITE Range	ELITE Range	ELITE Range	ELITE Range	ELITE Range	ELITE Range
Main Features						
Auro-3D / Dolby Atmos / DTS:X	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓
SphereAudio - Binaural Immersive Sound for Headphones	✓	✓	✓	✓	✓	✓
StormOptimizer Room Calibration - powered by Dirac Live	✓	✓	✓	✓	✓	✓
StormMonitoring - Remote Monitoring	✓	✓	✓	✓	✓	✓
Microphone Mini-Kit (mic + stand) for initial room calibration and permanent remote monitoring	✓	✓	✓	✓	✓	✓
Multichannel / Surround Processing						
Output channels	16 (32 optional)	20	32	32	32	32
Decoding / upmixing channels	up to 16	up to 16	up to 16	up to 16	up to 16	up to 16
Input sampling rate supported	up to 192 kHz	up to 192 kHz	up to 192 kHz	up to 192 kHz	up to 192 kHz	up to 192 kHz
Stereo downmix	✓	✓	✓	✓	✓	✓
Post processing sampling rate	48 kHz	48 kHz	48 kHz	48 kHz	48 kHz	48 kHz
Dirac Live DSP runtime	✓ (ready)	✓ (ready)	✓ (ready)	✓ (ready)	✓ (ready)	✓ (ready)
Bass management	✓ (fully flexible)	✓ (fully flexible)	✓ (fully flexible)	✓ (fully flexible)	✓ (fully flexible)	✓ (fully flexible)
Multi-subwoofer channels	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Multi-way crossover (6-12-18-24 dB/oct filter slopes)	✓	✓	✓	✓	✓	✓
Parametric EQ per channel	10 bands	10 bands	10 bands	10 bands	10 bands	10 bands
HDMI						
HDMI inputs / outputs	7/2	7/2	7/2	7/2	7/2	7/2
HDMI inputs	1-4 : HDMI 1.4 / HDCP 2.2 5-7 : HDMI 2.0 / HDCP 2.2	1-4 : HDMI 1.4 / HDCP 2.2 5-7 : HDMI 2.0 / HDCP 2.2	1-4 : HDMI 1.4 / HDCP 2.2 5-7 : HDMI 2.0 / HDCP 2.2	1-4 : HDMI 1.4 / HDCP 2.2 5-7 : HDMI 2.0 / HDCP 2.2	1-4 : HDMI 1.4 / HDCP 2.2 5-7 : HDMI 2.0 / HDCP 2.2	1-4 : HDMI 1.4 / HDCP 2.2 5-7 : HDMI 2.0 / HDCP 2.2
HDMI outputs (mirroring)	1 : HDMI 1.4 / HDCP 1.4 2 : HDMI 2.0 / HDCP 2.2	1 : HDMI 1.4 / HDCP 1.4 2 : HDMI 2.0 / HDCP 2.2	1 : HDMI 1.4 / HDCP 1.4 2 : HDMI 2.0 / HDCP 2.2	1 : HDMI 1.4 / HDCP 1.4 2 : HDMI 2.0 / HDCP 2.2	1 : HDMI 1.4 / HDCP 1.4 2 : HDMI 2.0 / HDCP 2.2	1 : HDMI 1.4 / HDCP 1.4 2 : HDMI 2.0 / HDCP 2.2
4K UHD HDR	✓	✓	✓	✓	✓	✓
High Dynamic Range : HDR10 / HLG / Dolby Vision	✓ / ✓ / -	✓ / ✓ / -	✓ / ✓ / -	✓ / ✓ / -	✓ / ✓ / -	✓ / ✓ / -
Color Space and Subsampling	4:4:4, 4:2:2, 4:2:0	4:4:4, 4:2:2, 4:2:0	4:4:4, 4:2:2, 4:2:0	4:4:4, 4:2:2, 4:2:0	4:4:4, 4:2:2, 4:2:0	4:4:4, 4:2:2, 4:2:0
Deep Color (12 bpc)	✓	✓	✓	✓	✓	✓
Max. resolution support	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc	4K 60fps 4:4:4 8bpc
HDMI: 3D / 4K / ARC / OSD	✓ / ✓ / - / -	✓ / ✓ / - / -	✓ / ✓ / - / -	✓ / ✓ / - / -	✓ / ✓ / - / -	✓ / ✓ / - / -
Audio Inputs						
Digital input: coaxial, optical	3 / 3	3 / 3	3 / 3	3 / 3	3 / 3	3 / 3
Digital input: AES / EBU 16ch (Digital Cinema Input)	Optional Module	Optional Module	Optional Module	Optional Module	Optional Module	RJ45 x 2
Analog stereo inputs: RCA	4	4	4	4	4	4
Audio Outputs						
Analog main outputs, balanced (ch 1 to 16)	XLR	XLR	XLR	XLR	XLR	XLR
Analog main outputs, balanced (ch 17 to 32)	Optional Module	N/A	XLR	N/A	N/A	XLR
Analog main outputs, balanced (4ch expansion)	Optional Module	XLR	N/A	N/A	N/A	N/A
Analog secondary outputs, balanced (ch 1 to 16)	Optional Module	Optional Module	Optional Module	Optional Module	Optional Module	DB25 (2)
Analog secondary outputs, unbalanced (ch 1 to 16)	Optional Module	Optional Module	Optional Module	Optional Module	Optional Module	N/A
Stereo downmix outputs, balanced	XLR (2)	XLR (2)	XLR (2)	XLR (2)	XLR (2)	XLR (2)
Digital output: AES / EBU 32ch (ch 1 to 32)	Optional Module	N/A	N/A	RJ45 (4)	N/A	RJ45 (4)
Digital output: AVB 32ch (ch 1 to 32)	Optional Module	N/A	N/A	N/A	RJ45 (1)	N/A
Set-Up Management						
Configurable multi-theater management	✓	✓	✓	✓	✓	✓
Configurable audio zones management	✓	✓	✓	✓	✓	✓
Theater and audio zones listening presets	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Alternate theater management	Optional Module	Optional Module	Optional Module	Optional Module	Optional Module	✓
Backup and restore of set-up	✓	✓	✓	✓	✓	✓
Firmware update via USB / network	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Control Inputs / Outputs						
USB type A	2	2	2	2	2	2
Ethernet / Wi-Fi	✓ / –	✓ / –	✓ / –	✓ / –	✓ / –	✓ / –
Output trigger control	4 (out)	4 (out)	4 (out)	4 (out)	4 (out)	4 (out)
IR remote ports, in / out	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Control / Custom Installation						
Web-based product configurator	✓	✓	✓	✓	✓	✓
TCP/IP API based control	✓	✓	✓	✓	✓	✓
StormRemote iPad control application	✓	✓	✓	✓	✓	✓
Crestron, Control4, Savant, RTI home automation	✓	✓	✓	✓	✓	✓
Front panel display	✓ (TFT 4,3")	✓ (TFT 4,3")	✓ (TFT 4,3")	✓ (TFT 4,3")	✓ (TFT 4,3")	✓ (TFT 4,3")
IR remote control handset	N/A	N/A	N/A	N/A	N/A	N/A
Power Supply						
Voltage range	100V to 240V	100V to 240V	100V to 240V	100V to 240V	100V to 240V	100V to 240V
Type	SMPS	SMPS	SMPS	SMPS	SMPS	SMPS
Range selection	Universal	Universal	Universal	Universal	Universal	Universal
Casing						
Home / Rack (removable ears)	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓
Net weight (kg / lbs)	13,1 / 28.8	13,2 / 28.9	13,6 / 29.9	13,3 / 29.3	13,3 / 29.3	14 / 30.9
Size	4RU	4RU	4RU	4RU	4RU	4RU
Dimensions (cm / inches)	49,00 x 47,90 x 19,10 / 19.29 x 18.86 x 7.52	49,00 x 47,90 x 19,10 / 19.29 x 18.86 x 7.52	49,00 x 47,90 x 19,10 / 19.29 x 18.86 x 7.52	49,00 x 47,90 x 19,10 / 19.29 x 18.86 x 7.52	49,00 x 47,90 x 19,10 / 19.29 x 18.86 x 7.52	49,00 x 47,90 x 19,10 / 19.29 x 18.86 x 7.52